

1/14

FIGURE 1A

Gr22B1 FRFQLCGLFSINHNMGFQMIITSFLYLVYLLQF
Gr59D3 LQLWSCGLFQANRSMWFAMISSVLYYILVLLQF
Gr58A1 STYKVCGLFIFNKQTSLAYFFYVLVQVLVLVQF
Gr59D2 HEFYVMGLFKMERGRILLAMILSSVITHTMVLVQW
Gr93F1 LEIKVLGFFHLNNEFILLILSAIISYLFILIQF
Gr21D1 PIMNLDGYANINRELITTNISFMATYLVVLLQF
Gr63F1 STINCAGFFDVNRTRKGLTTMVTVLVVLLQF
Gr39D1 LAINAEGFMSTDNSLLMSILAAKVTYLIVLMQF
Gr28A3 INFIAAGLFNIDRTLYFTISGALTTLIILLQF
Gr2B1 LHFSAAGFFNVDCTLLYTIVGATTYLIILLIQF
Gr43C1 ADFSACGLCRVNRTILTSFASAIATYLVILIQF
Gr39D2b FMTCAASFMSNRVTIQV-CLKAIFTYMVILVQF
Gr64A2 VALTGMKFFHLTRKLVLSVAGTIVTYELVLIQF
Gr5A1 VALTGLKFFNVTRKLFLAMAGTVATYELVLIQF
Or83b MSISGAKFFTWSLDLFAASVLGAVVTVYFMVLVQL
Or85f VELNAMGYLSISLDTFKQLMSVSYRVITMLMQM
Or22a ITLTAGGVFPISMQTNLAMVKLAFSVVTVIKQF
Or22b IILTAGGVFPISMQTNLNMVKLAFTVVTIVKQF
Or42b IVFIAGGIFQISMSSNISVAKFAFSVITITKQM
Or59b IIIFIAGGIFPISMNSNITVAKFAFSIITIVRQM
Or59c IQFTAGSTFPISVQSNIAVAKFAFTIITIVNQM
Or98a IAFTAGSIFPISTGSNIKVAKLAFSVVTFVNQL
Or85a ILFTAGGIFPICLNTNIKMAKFAFSVVTIVNEM
Or7a ITLTAMKLFPINLATYFSIAKFSFSLYTLIKGM
Gr8D1 IRIDCLGLTILDCLSLLTRMACSVGTYMIYSIQF
Gr33C1 FQFNGVGLFALDYTFIFSTVSAATSYLIVLLQF
Gr66C1 VDFSACGFFTLDMETLYGVSGGITSYLIILLIQF

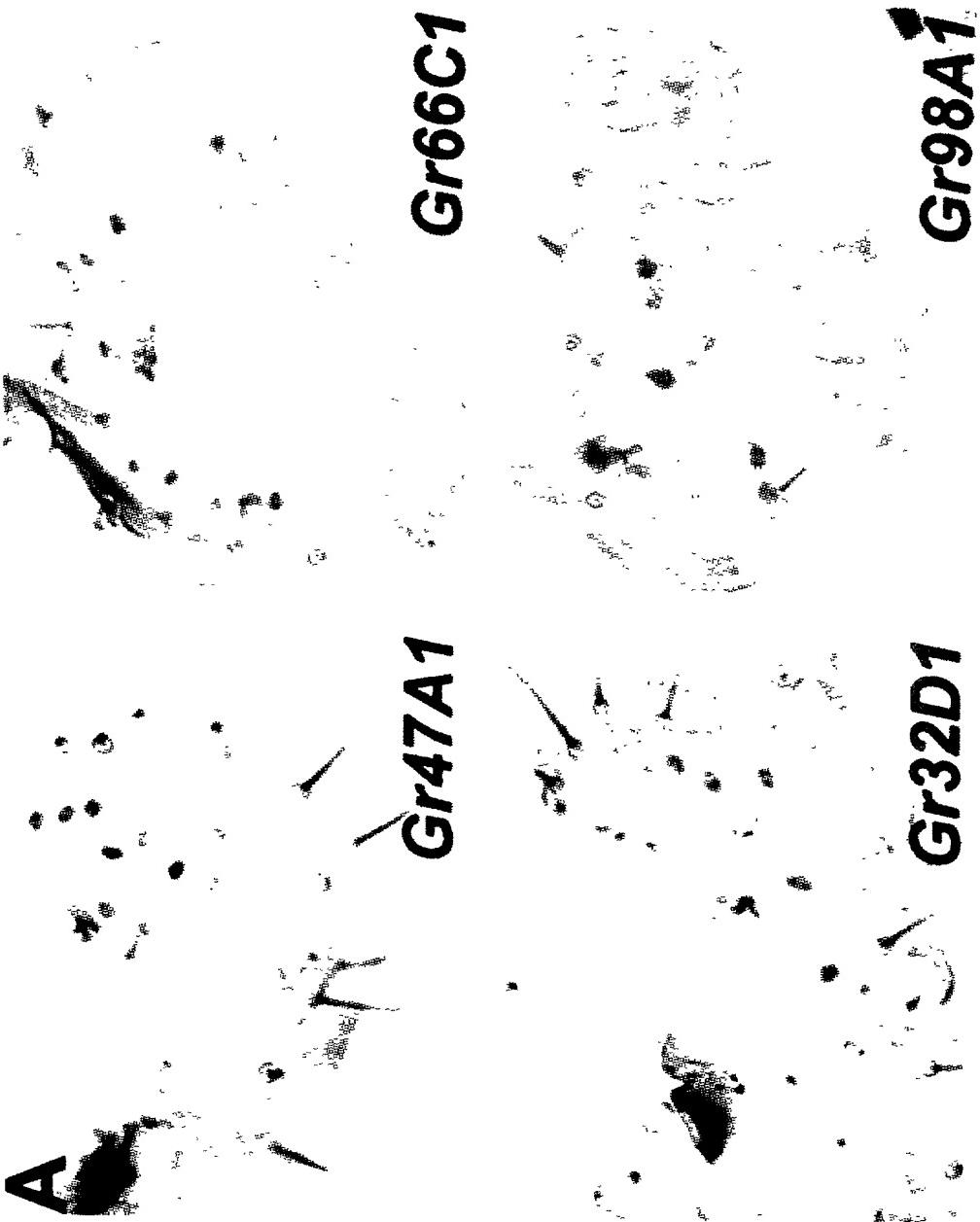
2/14

FIGURE 1B

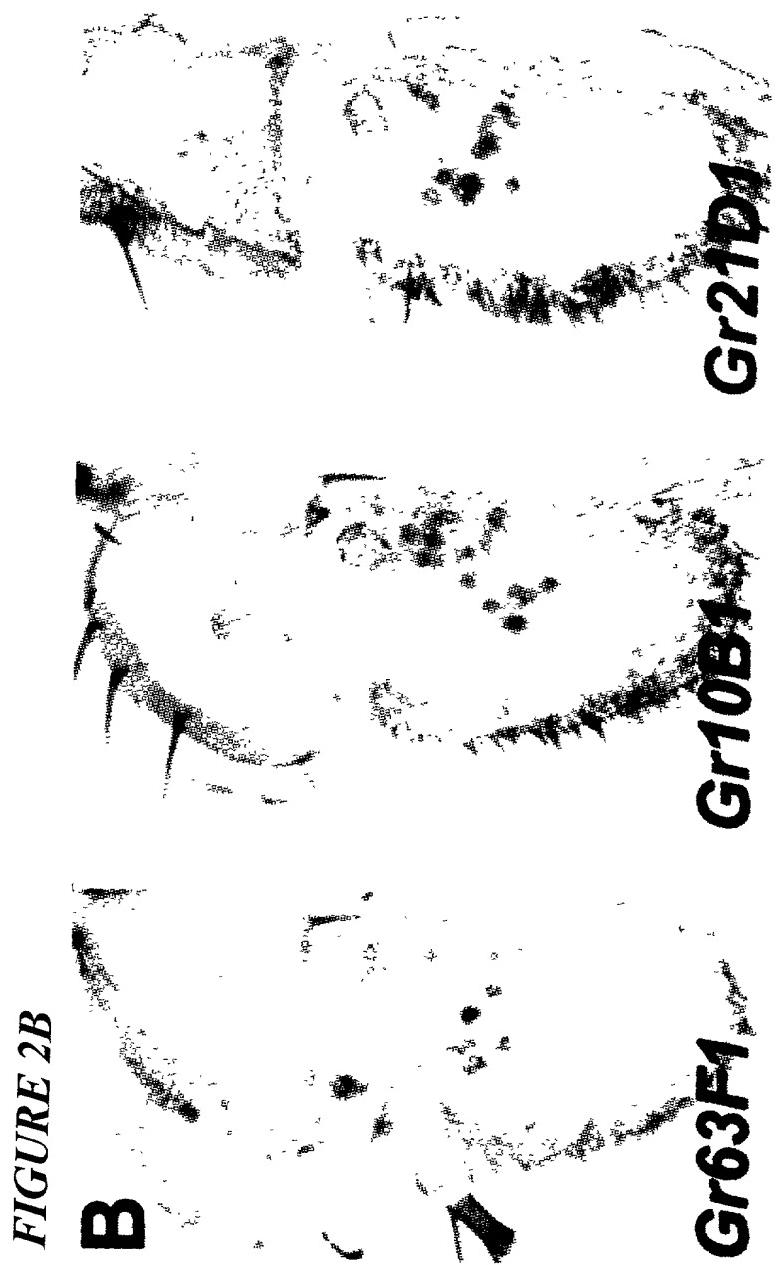
Gr10B1 -PPMLCGLLHLDRLVYLIAVTAFSYFITLVQF
Gr94E1 YQIKPLGLYELDMRLISNVFSAVASFLLILVQA
Gr57B1 IQFTSGLDVVLSRKVIGLFTSILVNYYLLILIQF
Gr59E2 QPLEACGIVTLDTDSLGGFIGVLMAIVIFLIQI
Or47a FRIT-GYFFEANMEAFASSIVRTAMSYITM-LRS
 Or9a CQMK-GYFFEASMAFSTIVRSAVSYIMM-LRS
Or56a MKMR-ALLVDLNLRTFIDIGRGAYSYFNL-LRS
Or45a AKIF-GFMFVVDLPLLWVIRTAGSFLAM-LRT
Or30a LASLVGGTYPMNLKMLQSLLNAAIYSFFTL-LRR
Or43a MEIRVGNVPMTLAMFQSLLNASYSYFTM-LRG
Or49b AAILLGNIRPITLELFQNLLNTTYTFFTV-LKR
Or23a QLLLGNLVPPIHLSTYVACWKGAYSFFTL-MAD
 Or2a SLIYAGNYIALSLETFEQVMRFTYSVFTL-LLR
Or33a VNIKAGGIVGIDMSAFFATVRMAYSFYTL-ALS
Or33b VQIKAGGMIGIGMNAFFATVRLAYSFFTL-AMS
Or33c WIKAGGLIELNLNAFFATLKMAYSLEAV-VHR
Or59a STAVAGGMMRIHLDFFFSTLKGAYSLFTI-IIR
Or94a VTIRAGNSFAVGLPIFVKTIINNAYSFLAL-LLN
Or94b VKVRAGVFFEIGLPPIFVKTIINNAYSFFAL-LLK
Or71a VTLKAGGFFHIGLPLFTKVVFSTLENPCISYLY
Or10a VS-MAVPFFSPSLATFAAILQTSGSIIALVKSF
Or47b LMYVAEPFLPFTLGYMLVLKNCYRLLALMQES
Or74a FFITGLNYFRVSLTAVLKIIIQGAFSYFTFLNSM
Or88a QQLGAFGLIQVNVMVFTEIMQLAYRLFTFLKSH
Or85e VHVTAGKFYVMDVNRLRSVITQAFSFLLLQKL
Or83c HNIQILGVMSLSVRTALQIVKLIYSVSMMMMNR
Gr47A1 KRVVLLNVFTFDRKLTLLAKSTLYTICCLQN
Gr59E1 RQHVVCGVINLDLKFLTTLLVASADFFIFLLQY
 Or1a -TVLGAYFFELGRPLL--VWVSIFLFIVLF--

3/14

FIGURE 2A

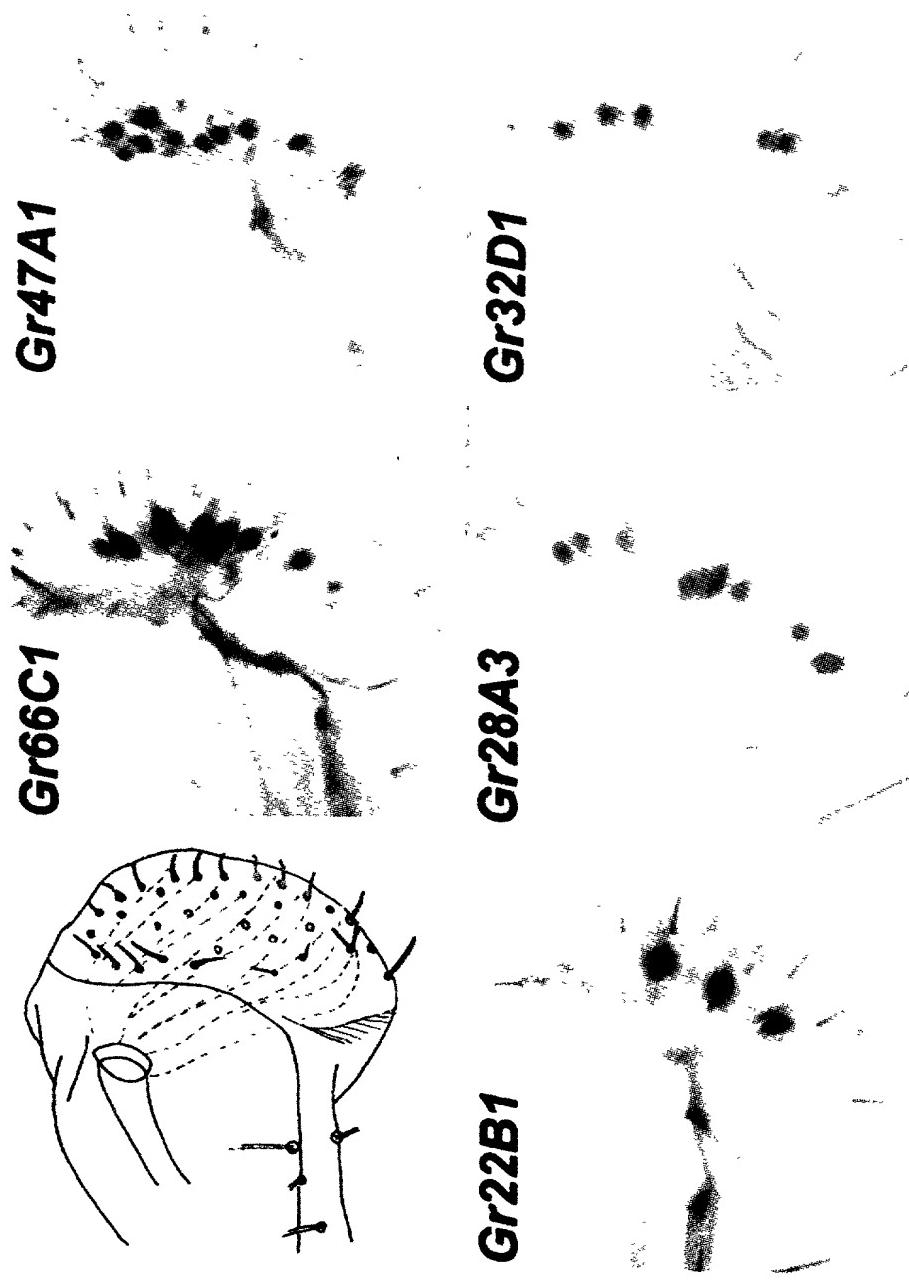


4/14



5/14

FIGURE 3



2025 RELEASE UNDER E.O. 14176

6/14

FIGURE 4A

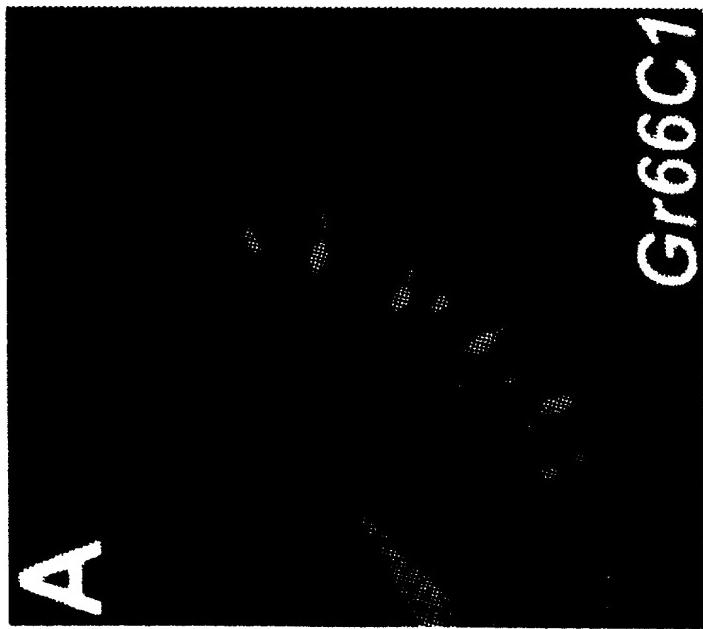
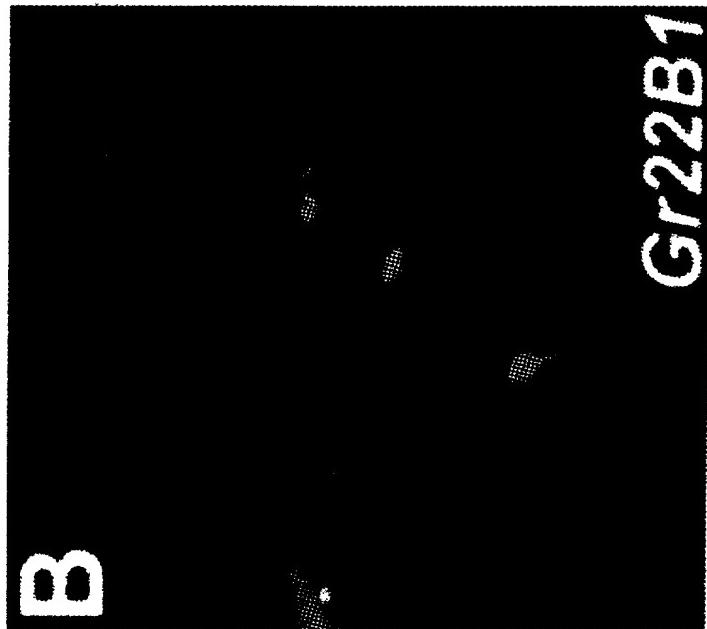


FIGURE 4B

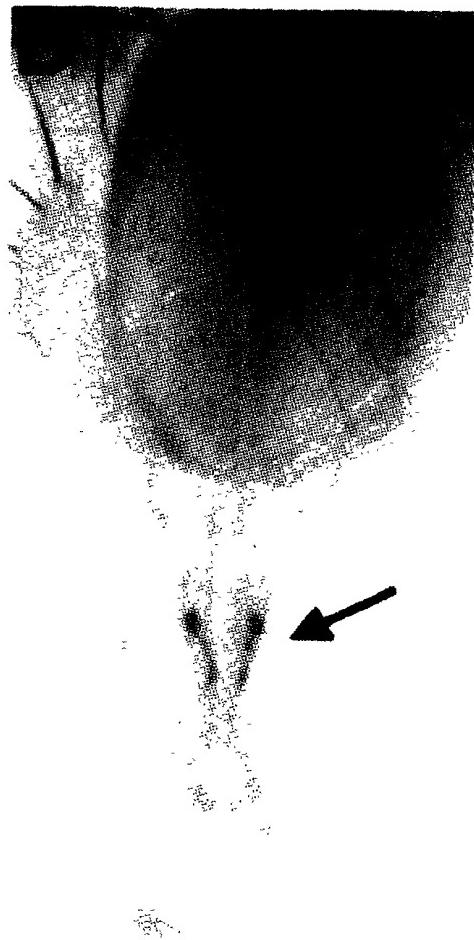


7/14

FIGURE 4C



FIGURE 4D

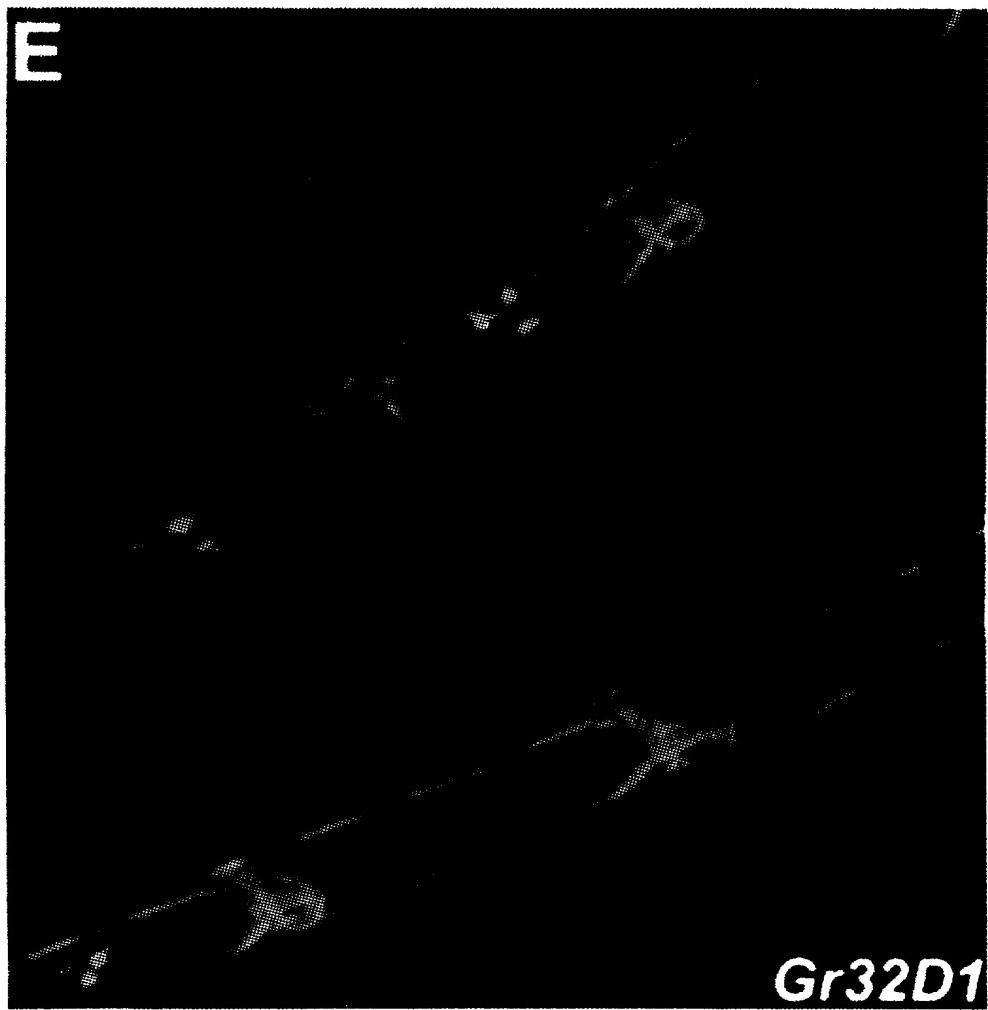


Gr66C1

Gr2B1

8/14

FIGURE 4E



10/14

FIGURE 5D



FIGURE 5E

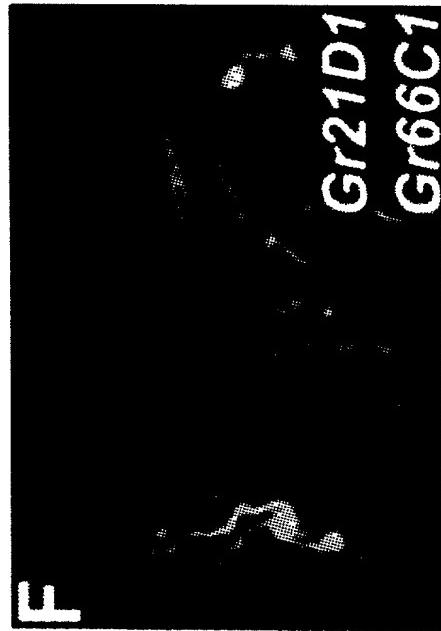


G

F

FIGURE 5G

FIGURE 5F



Gr32D1
Gr66C1

Gr21D1
Gr66C1

11/14

FIGURE 6A

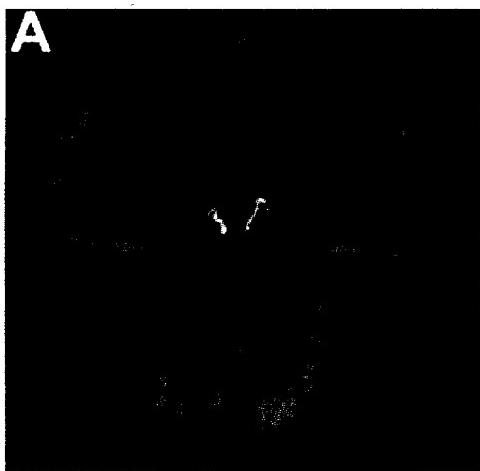
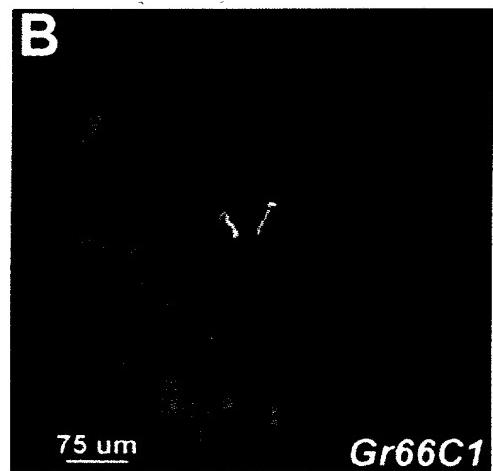


FIGURE 6B



This fluorescence micrograph shows a Drosophila brain section. The image is predominantly dark, with bright, localized spots of fluorescence indicating the presence of the Gr32D1 gene product. These bright areas are concentrated in specific brain regions, such as the optic lobes and the central brain. A large, bold letter 'C' is positioned in the top-left corner of the image frame. In the bottom-right corner, the text 'Gr32D1' is written in a large, bold, black font.

D

This fluorescence micrograph shows a single dendrite with several branching points. The cytoskeleton is visualized using a Gr66C1 antibody, which stains the microtubules as bright white puncta. A scale bar labeled "25um" is located in the bottom left corner.

Gr66C1

FIGURE 6C

FIGURE 6D

12/14

FIGURE 6E



FIGURE 6F

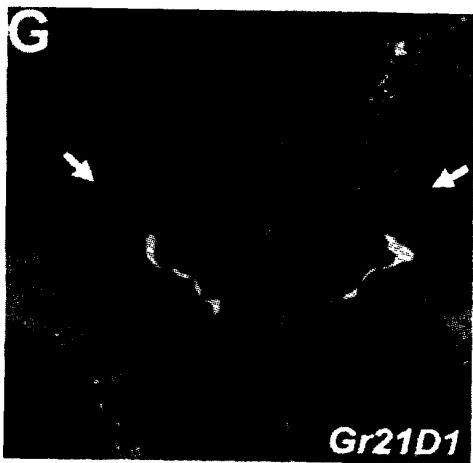
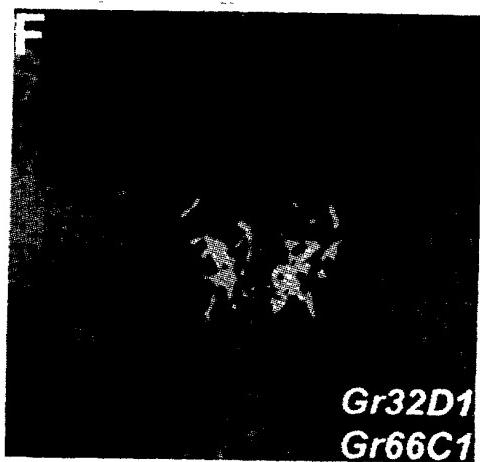


FIGURE 6G

FIGURE 6H

13/14

FIGURE 7A

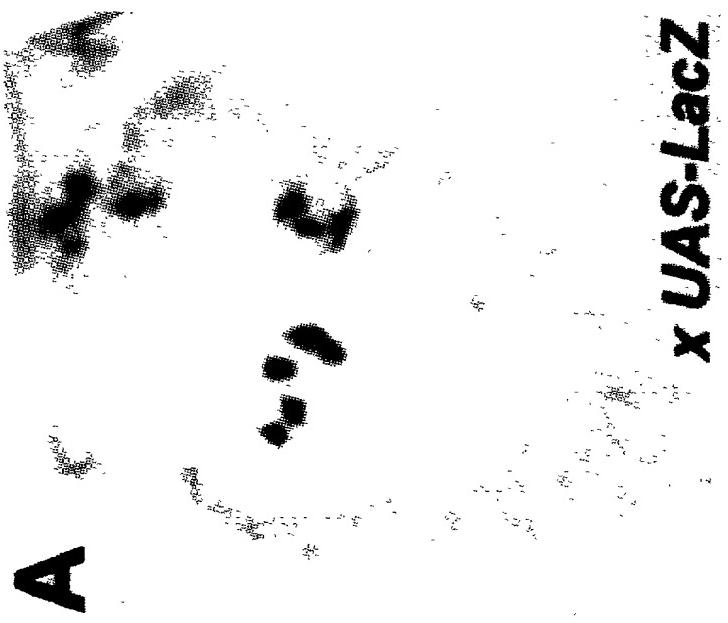


FIGURE 7B



14/14

FIGURE 7C

